

or a pharmaceutically acceptable salt or a hydrate thereof,  
wherein,

A and B, independently of each another represent  
a group of the formula  $-(\text{CH}_2)_n-$ ,  
wherein n represents 0, 1, 2, 3 or 4;

$\text{R}^1$  and  $\text{R}^2$ , independently of each another, represent  
alkyl, cycloalkyl, amino, trihalogenmethyl, nitro, cyano, or  
phenyl, or a group of the formula  $-\text{OR}'$ ,  $-\text{SR}'$ ,  $-\text{C}(\text{O})\text{R}'$ ,  $-\text{C}(\text{S})\text{R}'$ ,  
 $-\text{CH}_2\text{OR}'$ ,  $-\text{CH}_2\text{SR}'$ ,  $-\text{NR}'\text{C}(\text{O})\text{R}''$ , or  $-\text{OC}(\text{O})\text{R}'$ ;

a phenyl or a benzyl group or a mono- or poly-heterocyclic  
aromatic group containing one or more 5- and/or 6-membered cyclic  
groups having one or more heteroatoms selected from the group  
consisting of N, O and S, wherein said phenyl, benzyl or heteroaryl  
groups are unsubstituted or are substituted one or two times with  
substituents selected from the group consisting of halogen,  
trihalogenmethyl, alkyl, amino, nitro, cyano, amido, a group of the  
formula  $-\text{OR}'$  and  $-\text{SR}'$ , , a phenyl and a phenoxy group;

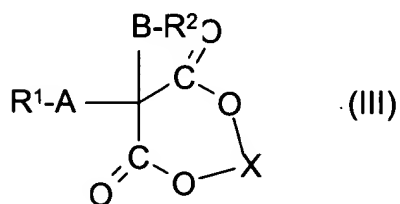
wherein R' and R'', independently of each another, represent hydrogen, alkyl cycloalkyl, or a group of the formula NR'''R''', wherein R''' and R''', independently of each another, represent hydrogen or alkyl;

R<sup>3</sup> and R<sup>4</sup>, independently of each another, represent

-C(O)R', -C(O)OR', or -C(O)NR'R'';

wherein R' and R'', independently of each another, represent hydrogen, alkyl, cycloalkyl, or a group of the formula NR'''R''', wherein R''' and R''', independently of each another, represent hydrogen or alkyl;

or R<sup>3</sup> and R<sup>4</sup> together form a heterocyclic 6-9 membered ring to give a diester derivative of the general formula III

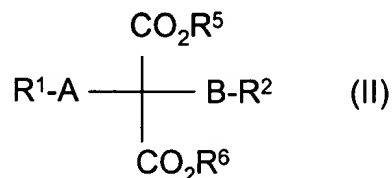


wherein

A, B, R<sup>1</sup> and R<sup>2</sup> are as defined above; and

X represents a carbon chain of the formula -(CH<sub>2</sub>)<sub>n</sub>-, wherein n is 1, 2, 3 or 4.

2. (Amended) The chemical compound according to claim 1, which is a malonic acid ester derivative of the general formula II

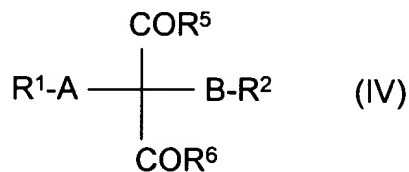


or a pharmaceutically acceptable salt or a hydrate thereof, wherein,

A, B, R<sup>1</sup> and R<sup>2</sup> are as defined above, and

R<sup>5</sup> and R<sup>6</sup>, independently of each another, represent hydrogen, alkyl, cycloalkyl, or a group of the formula NR'''R''', wherein R''' and R''', independently of each another, represent hydrogen or alkyl.

4. (Amended) The chemical compound according to claim 1, which is an oxo derivative of the general formula IV

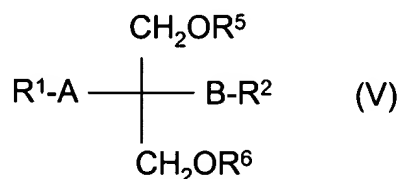


or a pharmaceutically acceptable salt or a hydrate thereof, wherein,

A, B, R<sup>1</sup> and R<sup>2</sup> are as defined above, and

R<sup>5</sup> and R<sup>6</sup>, independently of each another, represent hydrogen, alkyl, cycloalkyl, or a group of the formula NR'''R''', wherein R''' and R''', independently of each another, represent hydrogen or alkyl.

5. (Amended) The chemical compound according to claim 1, which is an ether derivative of the general formula V



or a pharmaceutically acceptable salt or a hydrate thereof, wherein,

A, B, R<sup>1</sup> and R<sup>2</sup> are as defined above, and

R<sup>5</sup> and R<sup>6</sup>, independently of each another, represent hydrogen, alkyl, cycloalkyl, or a group of the formula NR'''R''', wherein R''' and R''', independently of each another, represent hydrogen or alkyl.

6. (Twice Amended) The chemical compound according to any of claims 1-5, wherein R<sup>1</sup> and R<sup>2</sup> independently of each another

represents a hydroxy group; an alkyl group; an alkoxy group; a group of the formula  $-OC(O)R'$  wherein  $R'$  is hydrogen or alkyl; a group of the formula  $-NHC(O)R''$ , wherein  $R''$  is hydrogen or alkyl; a phenyl or a benzyl group, wherein said phenyl and benzyl groups are unsubstituted or substituted one or two times with substituents selected from the group consisting of alkyl, alkoxy, halogen,  $CF_3$ , CN, amino, nitro, and a group of the formula  $-NHC(O)R''$ , wherein  $R''$  is hydrogen, alkyl or phenyl; a 5- or 6-membered mono- or poly-heterocyclic group, wherein said heterocyclic group is unsubstituted or substituted one or two times with substituents selected from the group consisting of halogen,  $CF_3$ , CN, amino, and nitro.

8. (Amended) The chemical compound according to claim 6, wherein the mono-heterocyclic group is an aromatic heterocyclic monocyclic group selected from the group consisting of 1,3,2,4- or 1,3,4,5-dioxadiazolyl, dioxatriazinyl, dioxazinyl, 1,2,3-, 1,2,4-, 1,3,2- or 1,3,4-dioxazolyl, 1,3,2,4- or 1,3,4,5-dithiadiazolyl, dithiatrizinyl, dithiazinyl, 1,2,3-dithiazolyl, furanyl, furazanyl, imidazolyl, isoimidazolyl, 2-isoimidazolyl, isoindazolyl, isothiazolyl, isoxazolyl, 1,2,3-, 1,2,4-, 1,2,5- or

1,3,4-oxadiazolyl, oxatetrazinyl, oxatriazinyl, 1,2,3,4- or 1,2,3,5-oxatriazolyl, oxazolyl, pyrazinyl, pyrazolyl, pyridazinyl, pyridinyl, pyrimidinyl, pyrrolyl (azolyl), 1,2,3,4- or 2,1,3,4-tetrazolyl, thiadiazolyl, thiazolyl, thienyl, 1,2,3-, 1,2,4- or 1,3,5-triazinyl, and 1,2,3-, 1,2,4-, 2,1,3- or 4,1,2-triazolyl.

9. (Amended) The chemical compound according to claim 8, wherein the mono-heterocyclic group is selected from the group consisting of 2- or 3-furanyl, 2-, 4- or 5-imidazolyl, 3-, 4- or 5-isoxazolyl, 2-, 3- or 4-pyridinyl, and 2- or 3-thienyl.

12. (Amended) The chemical compound according to claim 6, wherein the poly-heterocyclic group is selected from the group consisting of acridinyl, benzimidazolyl, 1,2- or 1,4-benzisothiazinyl, 1,2- or 1,4-benzisoxazinyl, benzisoxazole, benzothiazolyl, benzofuranyl, isobenzofuranyl, 2,3-benzopyronyl, 1,2,3,4-benzotetrazinyl, 1,3,4,6-benzotetrazolyl, benzothiazolyl, 1,2,3- or 1,2,4-benzotriazinyl, 1,2,3- or 2,1,3-benzotriazolyl, benzoxadiazolyl, benzoxazolyl, carbazolyl, cinnolinyl, coumarinyl, indazolyl, indolyl, isoindolyl, indolizinyl, purinyl, phenazinyl, phenothiazinyl, phenanthridinyl, phthalazinyl, pteridinyl,

quinolinyl, quinoxalinyl, isoquinolinyl, quinazolinyl, quinoliziny, and xanthrenyl.

15.(Amended) The chemical compound according to claim 1, wherein the chemical compound is

Diethyl 2-(4-fluorophenyl)-2-(3-picolyl)malonate;

Diethyl 2-(4-nitrophenyl)-2-(2-picolyl)malonate;

Diethyl 2-(4-nitrophenyl)-2-(4-picolyl)malonate;

Diethyl 2-phenyl-2-(3-picolyl)malonate;

Diethyl 2-(5-chloro-2-nitro-4-(trifluoromethyl)phenyl)-2-(3-picolyl)malonate;

Diethyl 2-benzyl-2-(3-picolyl)malonate;

Diethyl 2-(4-nitrophenyl)-2-[(benzotriazol-1-yl)methyl]malonate;

Diethyl 2-(2-thienyl)-2-(2-picolyl)malonate;

Diethyl 2-(4-(acetylamino)phenyl)-2-(2-picolyl)malonate;

Diethyl 2-(4-(benzoylamino)phenyl)-2-(2-picolyl)malonate;

2-(4-nitrophenyl)-2-(2-picolyl)malononitril;

Diethyl 2-(2-thienyl)-2-(4-nitrophenyl)malonate;

Diethyl 2-(2-thienyl)-2-(3,5-dimethylisoxazol-4-ylmethyl)malonate;

Diethyl 2-(2-thienyl)-2-(2-chlorobenzyl)malonate;

Dimethyl 2-methoxy-2-(2-picolyl)malonate;

Diethyl 2-acetamido-2-(2-picolyl)malonate;  
Diethyl 2-acetamido-2-(2-chlorobenzyl)malonate;  
Diethyl 2-acetamido-2-(3-chlorobenzyl)malonate;  
Diethyl 2-(4-nitrophenyl)-2-(3,5-dimethylisoxazol-4-ylmethyl)malonate;  
Diethyl 2-(4-nitrophenyl)-2-(benzotriazol-1-ylmethyl)malonate;  
Diethyl 2-(p-tolyl)-2-(2-picolyl)malonate;  
Diethyl 2-(2-thienyl)-2-(2-picolyl)malonate;  
Diethyl 2-(2-chlorophenyl)-2-(2-picolyl)malonate;  
Diethyl 2-(2-bromobenzyl)-2-(4-nitrophenyl)malonate;  
Di-t-butyl 2-(4-nitrophenyl)-2-(2-picolyl)malonate;  
Diethyl 2-(4-fluorophenyl)-2-(2-picolyl)malonate;  
Diethyl 2-(4-methoxy)-2-(2-picolyl)malonate;  
Diethyl 2-(4-nitrophenyl)malonate;  
Diethyl 2-(5-chloro-2-nitro-4-trifluoromethylphenyl)malonate;  
Diethyl 2,2-bis(2-picolyl)malonate;  
Diethyl 2-(2-picolyl)malonate;  
Di-t-butyl 2-(4-nitrophenyl)malonate;  
Diethyl 2-phenyl-2-(acetoxymethyl)malonate;  
2-Chlorophenylacetonitrile;  
2-(2-Chlorophenyl)butyronitrile;



2-(2-Chlorophenyl)-2-ethylbutyronitrile;  
2-(3-Phenoxyphenyl)butyronitrile;  
2-Ethyl-2-(3-phenoxyphenyl)butyronitrile;  
Ethyl 2-(4'-chlorophenyl)-2,2-diallyl-acetate;  
Ethyl 1-(4'-chlorophenyl)cyclopent-3-ene-1-carboxylate;  
Ethyl 1-(4-chlorophenyl)cyclopentane-1-carboxylate;  
1-(4-Chlorophenyl)-1-(3-methyl-5-oxadiazolyl)cyclopentane;  
N,N-Dimethyl 1-(4-chlorophenyl)cyclopentane-1-carboxamide;  
N,N-Diethyl 1-(4-chlorophenyl)cyclopentane-1-carboxamide;  
N-Phenyl 1-(4-chlorophenyl)cyclopentane-1-carboxamide;  
Diethyl 2-phenyl-2-(hydroxymethyl)malonate;  
Dicyclopropan(4-chlorophenyl)carbinol;  
O-(2-picolyl) dicyclopropan(4-chlorophenyl)carbinol;  
Diethyl 2-(2-thienyl)malonate;  
Diethyl 2-(4-aminophenyl)-2-(2-picolyl)malonate;  
2-(4-nitrophenyl)malononitril;  
2-Cyano-2-(4-nitrophenyl)-3-(2-pyridyl)propionamide;  
Diethyl 2-(4-(benzoylamino)phenyl)-2-(2-picolyl)malonate;  
Diethyl 2-(4-(acetylamino)phenyl)-2-(2-picolyl)malonate;  
Diethyl 2-(2-chlorophenyl)malonate;  
Diethyl 2-(4-fluorophenyl)malonate;

Diethyl 2-(4-methoxyphenyl)malonate;

Diethyl 2-bromobenzylmalonate; or

Diethyl 4-chlorobenzylidenemalonate;

or a pharmaceutically acceptable salt or a hydrate thereof.